Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Tuesday 14 Mar 2023 until 23:59 on Wednesday 15 Mar 2023

Forecast Issued on Tuesday 14 Mar 2023 at 03:02

Confidence: High for wintry showers Tuesday, largely settled early Wednesday then unsettled thereafter, but lowering for detail of cloud, transitions and snow levels.

Headline for Tuesday 14 Mar 2023: Wintry showers. Severe wind chill at height in fresh to strong summit winds.

Mountain weather hazards on Tuesday 14 Mar 2023

Blizzards No Likelihood	**Heavy persistent snow** Low Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light snow	Sunny intervals	Light snow showers	Heavy snow	Heavy snow	Light snow showers (night)
Precipitation probability					
20%	10%	60%	70%	60%	30%

Forecast for Tuesday 14 Mar 2023

Weather: Area of cloud, snow and at lower levels rain, clearing to the south shortly after sunrise. This leaves a mix of clear then brighter spells mixed with snow showers. Best of the brightness expected for the morning, with showers building for the afternoon. Showers dying away through the evening.

Chance of cloud-free hill tops above 600m: Initially 30% but soon becoming 90% through morning. Becoming 70% in the afternoon, but limited prospect of prolonged clear spells given the showery nature of the flow.

Low cloud and visibility: Very poor in early snow and virtually nil in extensive cloud down to 500m, but soon becoming good or very good. Becoming poor or very poor in afternoon snow showers and within cloud with bases again lowering to around 400m on occasion.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Mountain Weather Forecast

Forecast for Tuesday 14 Mar 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	16/20 N	16/19 W	21/28 W	22/29 W	16/22 W	11/16 N	9/13 N
300	11/15 N	12/15 NW	17/24 W	17/25 W	11/16 W	9/14 NW	5/8 SW
Valley	7/17 N	7/14 NW	13/26 W	15/27 W	8/17 W	7/14 NW	3/6 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-2/-9	-2/-8	0/-7	-1/-8	-2/-8	-2/-7	-3/-8
300	0/-5	1/-4	3/-2	2/-4	1/-4	0/-4	-1/-4
Valley	1/-2	2/-1	4/0	2/-4	1/-2	0/-3	-2/-4
Freezing Level*	200m	200m	300m	300m	300m	200m	00m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Winds and low freezing level bringing severe wind chill.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Tue 14 Mar 2023	34.6mm	42.6mm	44mm

Forecast for Wednesday 15 Mar 2023

Weather: Largely dry, bright, icy start to Wednesday. Cloud gradually thickening and lowering from the west to bring patchy snow late afternoon, which turns heavier through the evening, turning to rain at all levels into the late evening.

Maximum wind: Variable 15 mph or less becoming southerly 25-30 mph with gusts up to 40 mph for the evening.

Chance of cloud-free hill tops above 600m: 90% plus becoming 70% mid-afternoon, 20% evening.

Low cloud and visibility: Good or very good becoming poor or very poor in snow, virtually nil within cloud with bases lowering 500m infrequently for morning, occasionally for afternoon, then widespread for the evening.

Temperature: **Valleys:** Minus 3 deg Celsius increasing Plus 5 deg Celsius later in day.
At 600m: Minus 3 deg Celsius increasing Plus 1 deg Celsius late in day.
Freezing level: 200m or less, increasing 600m by evening and above peaks by midnight.

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